

## Clariant Renol PCSP0015 Polycarbonate, Carbon Fiber Filled

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Carbon Fiber Reinforced

**Material Notes:**

Data provided by Clariant Masterbatches

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Clariant-Renol-PCSP0015-Polycarbonate-Carbon-Fiber-Filled.php](http://www.lookpolymers.com/polymer_Clariant-Renol-PCSP0015-Polycarbonate-Carbon-Fiber-Filled.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.29 g/cc	1.29 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	145 MPa	21000 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Yield Strength	200 MPa	29000 psi	ASTM D790
Flexural Modulus	1.38 GPa	200 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm @Temperature 22.8 °C	2.00 ft-lb/in @Temperature 73.0 °F	ASTM D256

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+6 ohm-cm	1.00e+6 ohm-cm	ASTM D150

Processing Properties	Metric	English	Comments
Melt Temperature	135 - 152 °C	275 - 305 °F	
Mold Temperature	35.0 - 48.9 °C	95.0 - 120 °F	
Dry Time	2 - 4 hour @Temperature 48.9 °C	2 - 4 hour @Temperature 120 °F	to eliminate surface defects
Injection Pressure	4.96 - 8.27 MPa	720 - 1200 psi	Secondary
	8.27 - 13.8 MPa	1200 - 2000 psi	Initial
Back Pressure	0.345 - 1.72 MPa	50.0 - 250 psi	
Shot Size	30 - 80 %	30 - 80 %	
Screw Speed	20 - 100 rpm	20 - 100 rpm	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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